

TENNESSEE DEPARTMENT OF TRANSPORTATION

MADISON COUNTY CNU315

Pre-Bid Meeting

September 22, 2020

10:00 AM

Please make sure your microphone is muted at this time unless you are speaking. Thank you!

Madison County CNU315

The widening on I-40 from east of U.S. 45 (S.R. 5) (L.M. 15.09) to east of U.S. 70 (S.R. 1) (L.M. 20.60) in Jackson, including bridges, retaining walls and installation of TDOT Smartway Intelligent Transportation System.

Letting Date: October 9, 2020

Madison County CNU315

Prequalification Requirements

Mandatory Pre-Bid Attendance

Standard Prequalification Applies

- **Make sure your TDOT prequalification is currently valid**
- **Contractors with an expired prequalification that has surpassed the 90 days grace period will not be authorized to bid.**
- **Prospective bidders must have filed their standard prequalification questionnaire at least 14 days prior to the date of the letting.**

Madison County CNU315

- **Meeting attendance does not guarantee bid authorization.**
- **All prime/joint venture contractors pre-qualified by the Department must obtain authorization to bid through the standard bid authorization procedure. BID AUTHORIZATION MUST BE OBTAINED PRIOR TO 4:00 P.M. CDT ON THE DAY PRECEDING THE LETTING.**

Madison County CNU315

Project Question Submission

Please submit RFIs by email to Phillip.Buell@tn.gov.

RFI form can be found on the website.

Please submit with a subject line of "CNU315 Madison County RFI"

RFI's will be accepted until Friday, October 2, 2020 at 4:00 PM CST.

Responses will be posted on the TDOT Construction webpage.

Madison County CNU315

Scope and Overview of the Project

- 5.46 miles section of I-40 from east of U.S. 45 (S.R. 5) to east of U.S. 70 (S.R. 1) in Jackson
- ADT: 55,060
- Designer: Pickering Firm, Inc.
- Grading, Drainage, Base, Paving, Barrier Wall, Noise Wall, Bridges, Retaining Walls, Signs, Lighting, Pavement Marking and ITS.

Madison County CNU315

Scope and Overview of the Project

- 5 Bridges
 - 3 Overhead – Campbell Street BR#1, Henderson Road BR#3 and Watson Road BR#5
 - 2 On I-40 – Railroad BR#2 and Railroad BR#4
- 8 Retaining Walls
- 18,205 SF of Noise Barrier Wall
- 320,000+ Tons Base Stone
- 255,000+ Tons Asphalt Mix

Madison County CNU315

The Department has utilized the A+B bidding process in letting this contract to ensure the best combination of price and minimal traffic disruption.

Contractor Bids are calculated in accordance with the following method:

Total Contract (A+B) = A + (B x Liquidated Damages per Calendar Day)

A = Contract Amount

B = the Number of Calendar Days to complete the work from the anticipated effective date of November 2, 2020 or the actual effective date whichever is later.

Liquidated Damages per Calendar Day for milestone work is \$30,000.

Madison County CNU315

Total Contract (A+B) = A + (B x Liquidated Damages per Calendar Day)

Maximum Number of Calendar Days for B = 1460 (October 31, 2024)

Minimum Number of Calendar Days for B = 730 (November 1, 2022)

DBE Goal 10%

Madison County CNU315

NO EXCUSE BONUS / DISINCENTIVE

- For the completion and acceptance by the Department of this project, in substantial conformity with the plans, including all punch list and corrective action items, as determined by the Department, before the Project Completion Date included in Part “B” by the Contractor and accepted by the Department, the Department will provide an incentive payment of \$30,000 for each day, up to a maximum of 70 days, that the project is finished before the completion date.
- For the completion and acceptance by the Department of this project, in substantial conformity with the plans, including all punch list and corrective action items, as determined by the Department, after the Project Completion Date included in Part “B” by the Contractor and accepted by the Department, the sum of \$30,000 per day will be deducted from the contractor as a disincentive.

Madison County CNU315

Special Provision 106B

PROHIBITION ON CERTAIN TELECOMMUNICATION AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT

Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities)

Video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities)

ITS is included in the contract.

Madison County CNU315

- The department intends to have a quick turnaround on the award of the contract in order to meet the November 2, 2020 effective date mentioned in the 108B.
- Contractor will need to submit required information such as DBE utilization, subcontractor quotes, etc. in a timely manner to help expedite the award and effective date.

Madison County CNU315

Traffic Control Notes Highlights

Phase 1 – Installation of temporary pavement on outside shoulders

Phase 2 - Shift traffic to outside utilizing temporary pavement

- Work including Grading, Drainage, Base, Paving, Barrier Wall in the Median and Bridge work on Phase 2 shall not begin until Section 108.03 C requirement for scheduling is met.
- Bridge work on Campbell Street, Henderson Road and Watson Road
 - Campbell Street to remain open during construction with reduced lanes
 - Complete Eastern Half (North Bound Side)
 - Interchange ramps may be utilized for construction of the Campbell Street Bridge
- Henderson and Watson Roads are to be closed during construction of their respective bridges
 - Crossovers can be utilized to complete construction

Madison County CNU315

Traffic Control Notes Highlights

Any road closures will require the proper notification to the affected parties including the Region 4 Community Relations Officer – Nichole Lawrence

Phase 2 – Construction of the Middle Section of the Railroad Bridges (Bridges 2 & 4)
- Haul Roads can be utilized for construction

Phase 2A - Campbell Street (Bridge 1) to be completed with reduced lanes
- Complete Western Half (South Bound Side) utilizing the newly constructed Eastern Half

Madison County CNU315

Traffic Control Notes Highlights

Phase 3 – Shift traffic to the newly constructed inside

- Construct the outside portions of the roadway
- Construct the outside portions of the Railroad Bridges

Phase 3A – Complete all ramps

- OGFC and Final Pavement Marking

Madison County CNU315

108B Traffic Control Highlights

Temporary lane closures, unless otherwise provided in this special provision, shall only be allowed nightly from 7:00 p.m. to 6:00 a.m.

Henderson (Bridge 3) and Watson (Bridge 5) Roads Crossover Usage

- will be allowed nightly from 7:00 p.m. to 6:00 a.m.
- will also be allowed for no more than four (4) weekends at each bridge for construction work from 7:00 p.m. Friday until 6:00 a.m. on Monday.

Madison County CNU315

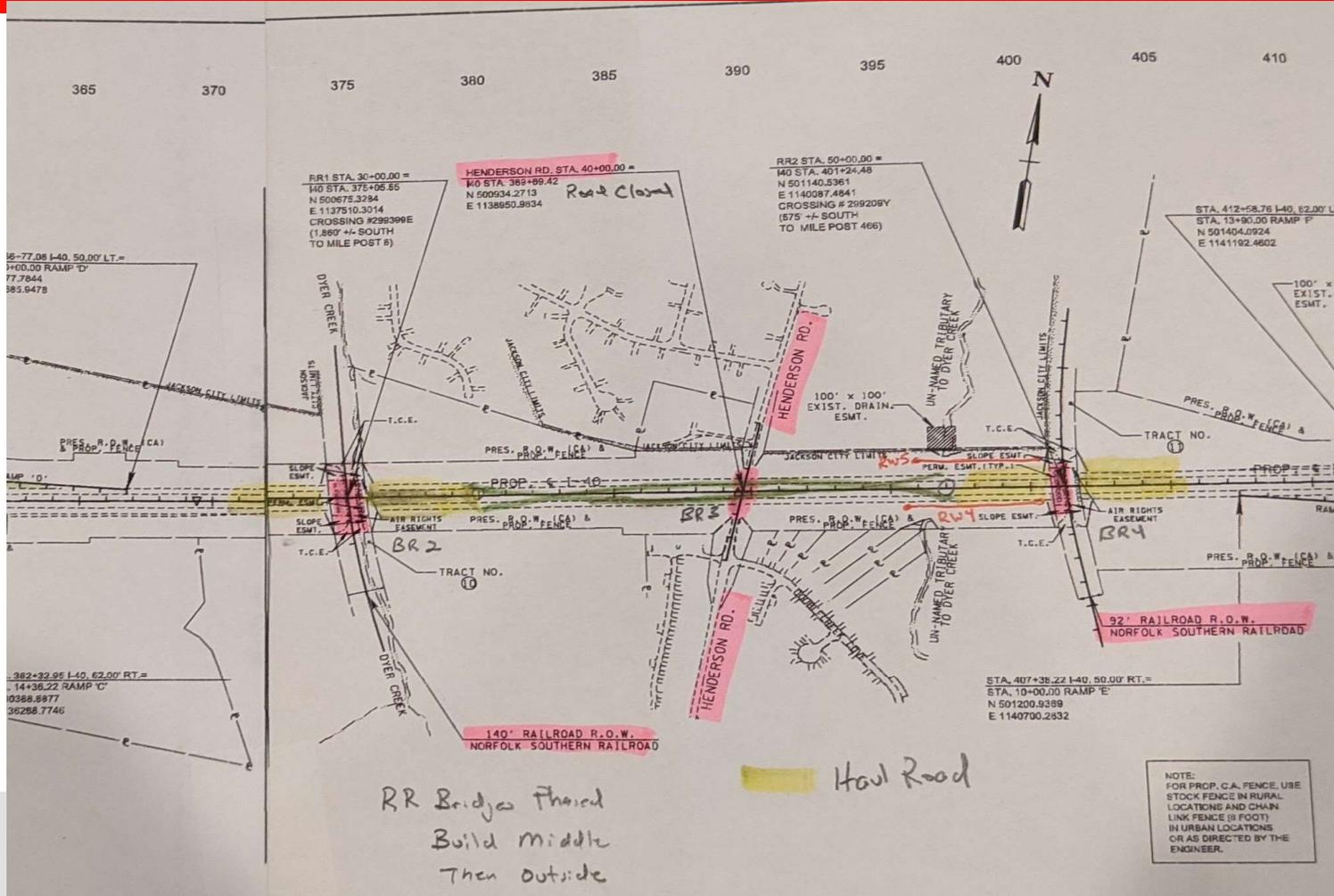
108B Traffic Control Highlights

Campbell Street Interchange Ramp Usage (Bridge 1)

- will be allowed nightly from 8:00 p.m. to 6:00 a.m. Campbell Street will also be closed at this time.
- will be allowed for no more than eight (8) weekends for construction work from 8:00 p.m. Friday until 6:00 a.m. on Monday.

The use of crossovers and interchange ramps must be coordinated with and approved by the Engineer.

Madison County CNU315



Madison County CNU315

108B Traffic Control Highlights

In order to switch traffic to the inside per Traffic Control Phase 3, a minimum of two of the three overhead roadways where bridge work occurs (Campbell Street, Henderson Road and Watson Road) must be fully opened to traffic. However, the contractor may request in writing to the Engineer to move into Traffic Control Phase 3 as overhead construction is completed east or west of station 444+00 respectively.

Madison County CNU315

Utilities

- AT&T – Underground Work Complete – Overhead to Follow Jackson Energy
- Jackson Energy Authority
 - Electric – Overhead at interchanges
 - Gas – Bore under roadway
 - Water – Bore under roadway
 - Wastewater (Sewer) – No relocations
 - Broadband (Fiber) – To follow Electric
- Tennessee Valley Authority, Charter Communications & CenturyLink – No Conflicts

No utility items in the contract. Utilities will move in conjunction with construction.

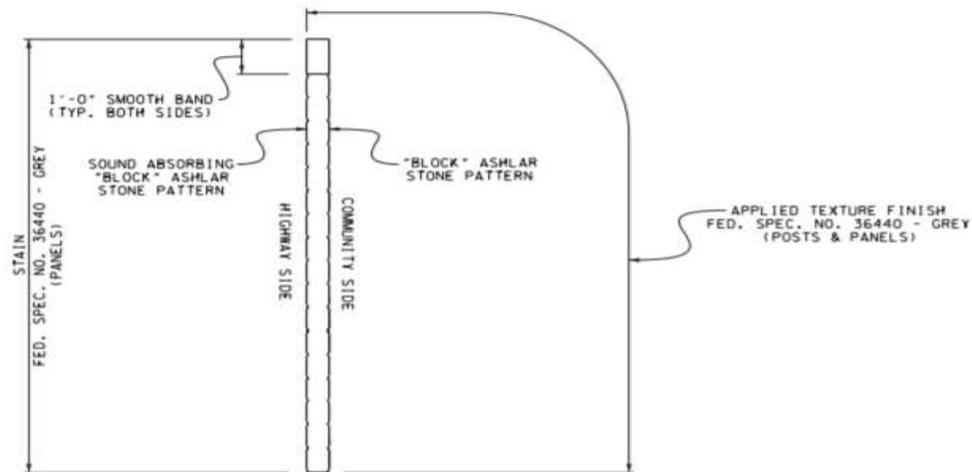
Madison County CNU315

Railroad Information

- Norfolk Southern Railroad – Owner of the railroads tracks at Bridge 2 and Bridge 4.
- Tract 10 @ Bridge 2 all agreements in place
 - Tract 11 @ Bridge 4 agreements available June 30, 2021
Special Provision 107C in proposal
 - Norfolk Southern does not use tracks themselves
- West Tennessee Railroad – Lease tracks from Norfolk Southern
- Special Provision 105C is in the proposal

Madison County CNU315

Noise Barrier Wall - Highway Side is Sound Absorbing



SURFACE FINISH SKETCH

THE EXTERIOR SURFACES OF ALL NOISE BARRIERS SHALL HAVE A SURFACE FINISH ACCORDING TO SPECIAL PROVISION T18NB. COST OF FINISH SHALL BE INCLUDED IN THE COST OF NOISE BARRIER.

ALL POSTS SHALL BE TEXTURE FINISHED.

Madison County CNU315

Retaining Walls

Acceptable Wall Types

Cast-In-Place (CIP) Concrete Cantilever Wall

Mechanically Stabilized Earth (MSE) Wall – Segmental Precast

Mechanically Stabilized Earth (MSE) Wall – Modular Block

Special Provision 624 Retaining Walls is included

Per the Project Commitments, Wall 1 will have an Ashlar or similar finish with rectangular panels (10 ft. x 5 ft.) or similar.

Madison County CNU315

Crossovers

- One Lane Crossovers to be Utilized
- Use of Temporary Transverse Rumble Strips and Digital Speed Assemblies in Advance of Crossovers
- Crossover at Henderson Road Bridge because of the constraints of the Railroad Bridges will require a reduced speed of **50 MPH**.
- Crossover at Watson Road Bridge will have a speed of **55 MPH**.

The use of crossovers and interchange ramps must be coordinated with and approved by the Engineer.

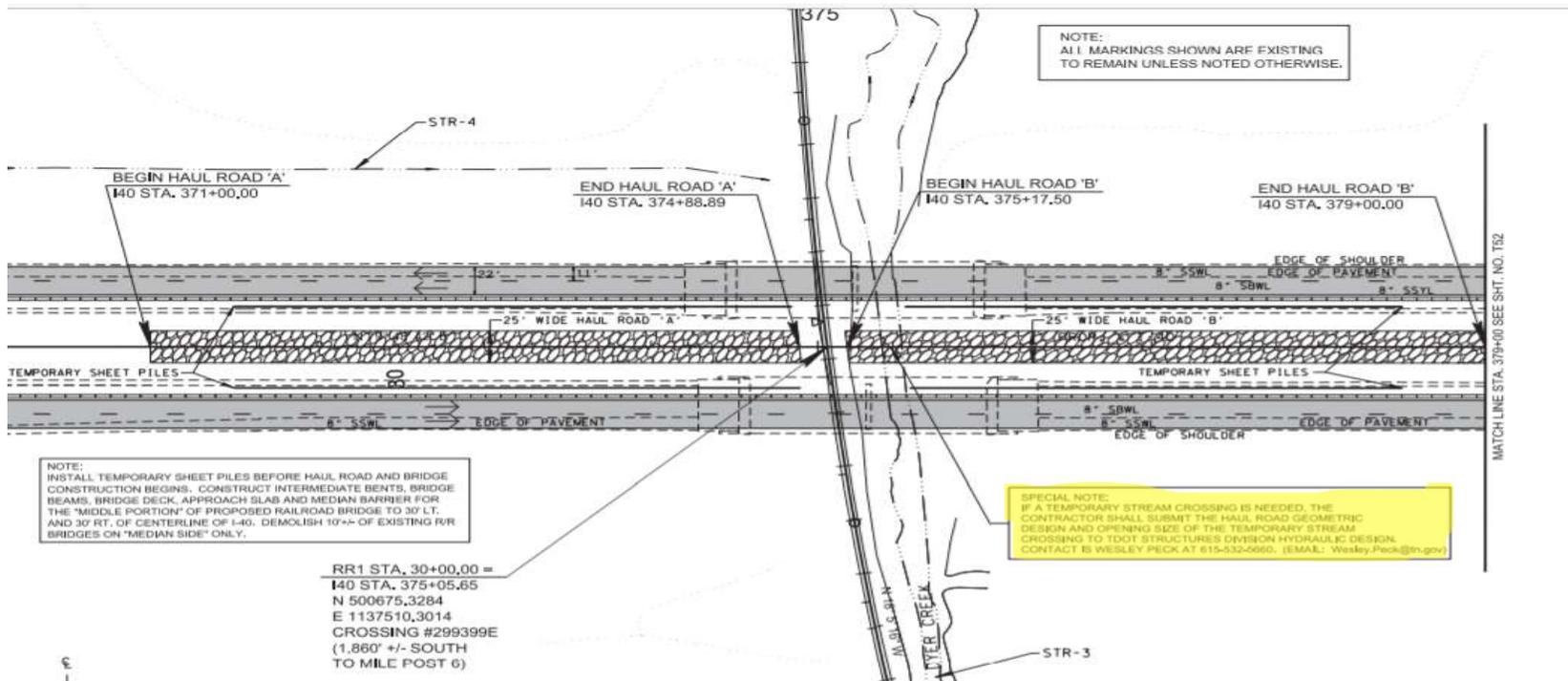
Madison County CNU315

Other Points of Interest

- A revision to address the pavement at bridge ends, guardrail connections to bridges, and the drainage flumes to replace the bridge end drains is being completed at this time. The changes for the pavement at bridge ends and the drainage flumes come from the new structure standard drawings STD 10-2 and STD 10-3.

Madison County CNU315

Temporary Stream Crossing



Madison County CNU315

Questions Prior to Today

1. Existing Bridge Plans Availability – The existing bridge plans are now available on the website under the E-Plans Room – October 9, 2020 Letting Revisions.
2. Electronic CAD Files Availability – Currently we do not provide electronic files.
3. Is the clearing and grubbing required from ROW to ROW for this project due to the permanent fencing installation or should it be limited to only what is necessary in order to accomplish the work? - See Disturbed Area Table on Sheet 3A, if any other clearing is needed it would need to be coordinated with the engineer.

Madison County CNU315

Questions

Madison County CNU315

Contractor Roll Call